

612.41232X00

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: EGERMANN et al

Serial No.:

Filed: March 7, 2002

For: Method For Modelling Fluid Displacements In A Porous
Medium Displacements In A Porous Medium Taking
Account Of Hysteresis Effects

Group:

Examiner:

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

March 7, 2002

Sir:

Prior to examination on the merits of this application and prior to calculation
of the filing fee, please amend the above-identified application as follows:

IN THE CLAIMS:

Please amend the claims to read as follows:

3. (Amended) A method as claimed in claim 1, characterized in that the reservoir simulator is used to determine the optimum characteristics of substances added to wetting fluid slugs injected in a formation alternately with gas slugs in order to displace hydrocarbons in place.
4. (Amended) A method as claimed in claim 1, characterized in that it comprises using a reservoir simulator in order to determine the optimum characteristics of a fluid injected in the soil in order to drain polluting substances.

Please insert new claims 5-8 as follows:

5. (New) A method as claimed in claim 2, characterized in that the reservoir simulator is used to determine the optimum characteristics of substances added to wetting fluid slugs injected in a formation alternately with gas slugs in order to displace hydrocarbons in place.

6. (New) A method as claimed in claim 2, characterized in that the reservoir simulator is used to determine the optimum characteristics of substances added to wetting fluid slugs injected in a formation alternately with gas slugs in order to displace hydrocarbons in place.

7. (New) A method as claimed in claim 3, characterized in that the reservoir simulator is used to determine the optimum characteristics of substances added to wetting fluid slugs injected in a formation alternately with gas slugs in order to displace hydrocarbons in place.

8. (New) A method as claimed in claim 4, characterized in that the reservoir simulator is used to determine the optimum characteristics of substances added to wetting fluid slugs injected in a formation alternately with gas slugs in order to displace hydrocarbons in place.

9. (New) A method as claimed in claim 5, characterized in that the reservoir simulator is used to determine the optimum characteristics of substances added to wetting fluid slugs injected in a formation alternately with gas slugs in order to displace hydrocarbons in place.

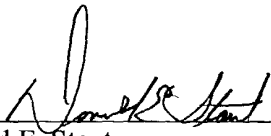
REMARKS

The foregoing amendments are respectfully requested prior to examination on the merits of this application. A marked up copy of the amended claims is attached.

To the extent necessary, applicants petition for an extension of time under 37 CFR 1.136. Please charge any shortage in the fees due in connection with the filing of this paper, including extension of time fees, to the deposit account of Antonelli, Terry, Stout & Kraus, LLP, Deposit Account No. 01-2135 (Case: 612.41232X00), and please credit any excess fees to such deposit account.

Respectfully submitted,

ANTONELLI, TERRY, STOUT & KRAUS, LLP



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REWRITTEN MARKED UP COPY

3. (Amended) A method as claimed in claim 1 ~~or 2~~, characterized in that the reservoir simulator is used to determine the optimum characteristics of substances added to wetting fluid slugs injected in a formation alternately with gas slugs in order to displace hydrocarbons in place.

4. (Amended) A method as claimed in ~~any one of the previous claims~~ claim 1, characterized in that it comprises using a reservoir simulator in order to determine the optimum characteristics of a fluid injected in the soil in order to drain polluting substances.